

Software: Overview

Category: Software Environment

DRAFT

This article is being reviewed for completeness and technical accuracy.

Software on the NAS HECC systems include the operating systems, programming environments, licensed or open source software, etc. The following lists the few directories where you can find most of the software you need.

- */bin* : essential user commands binaries, such as *cp*, *ls*, *mv*, *vi*, etc.
- */lib* : essential shared libraries and kernel modules, such as *libc*, *libm*, etc.
- */usr/bin* : most user commands, such as *cat*, *diff*, *ldd*, etc.
- */usr/lib* : libraries for programming and packages, such as *libstdc++*, *libGL*, etc.
- */usr/include* : system's general-use include files for the C programming language
- */usr/local/bin* : binaries added for local use, such as *acct_ytd*, *bbftp*, etc.
- */usr/local/lib* : shell start up files, such as *glocal.cshrc* for NAS systems
- */PBS* : software for submitting, monitoring and managing PBS jobs
- */nasa* : licensed or open source software modules

Except for those under */nasa*, the binaries, libraries and include files above should have been included in your default search path.

Read the articles on [Modules](#) to learn how to use licensed or open source software managed by modules.

In addition, on Pleiades there are some useful tools provided by members of the Application Performance and Productivity Group. They are stored under the directory */u/scicon/tools*.

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